

Light Efficiency:

27 Lumen/Watt

Light Quality:

CRI: 67.9

Color Temperature:

6611 K

Output: 2513 lm

Peak: 3213 cd

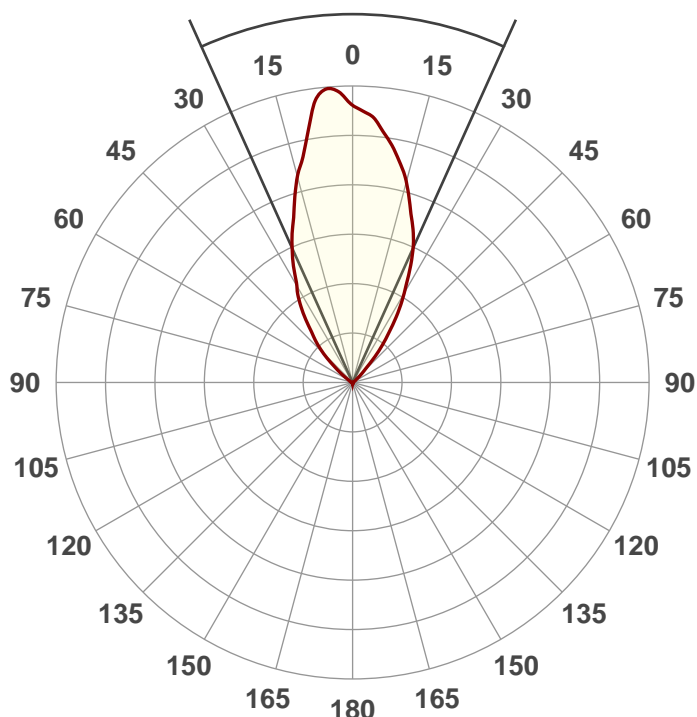
Power: 91.4 W

PF: 0.99



Beam Angle

48.5°



Product Name:

ZCL BAR 300 IP

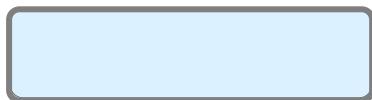
Test:

Zoom Out White

Date:

2/20/2018

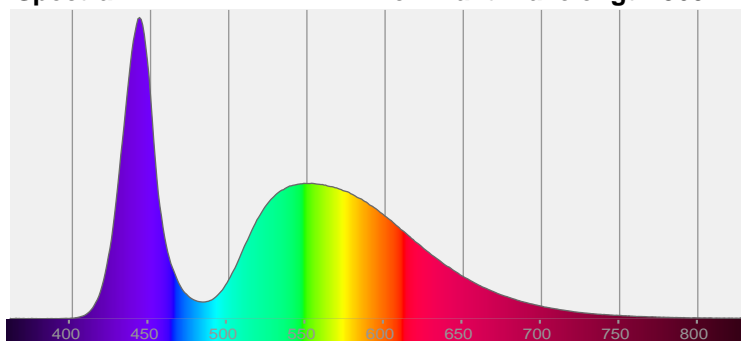
Note:



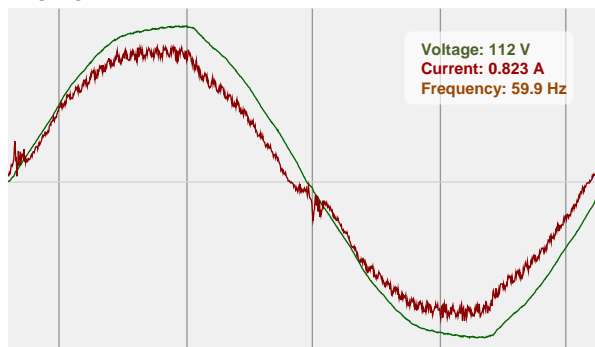
CIE 1931  
x: 0.313  
y: 0.316

Spectra

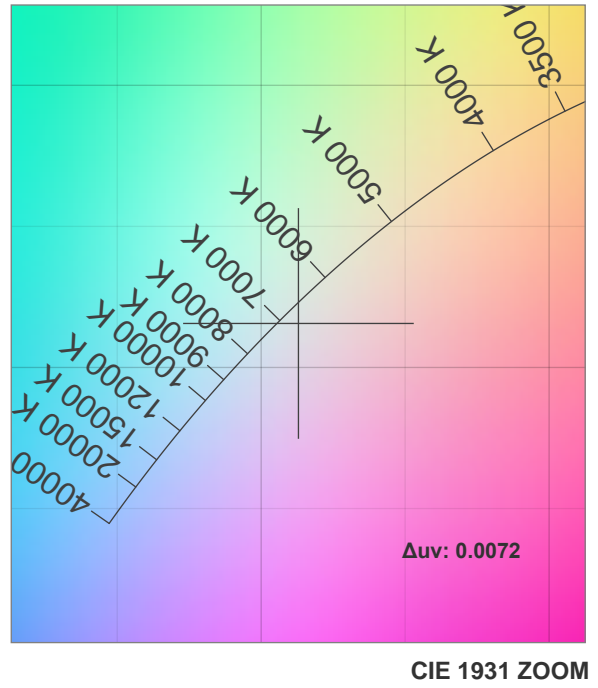
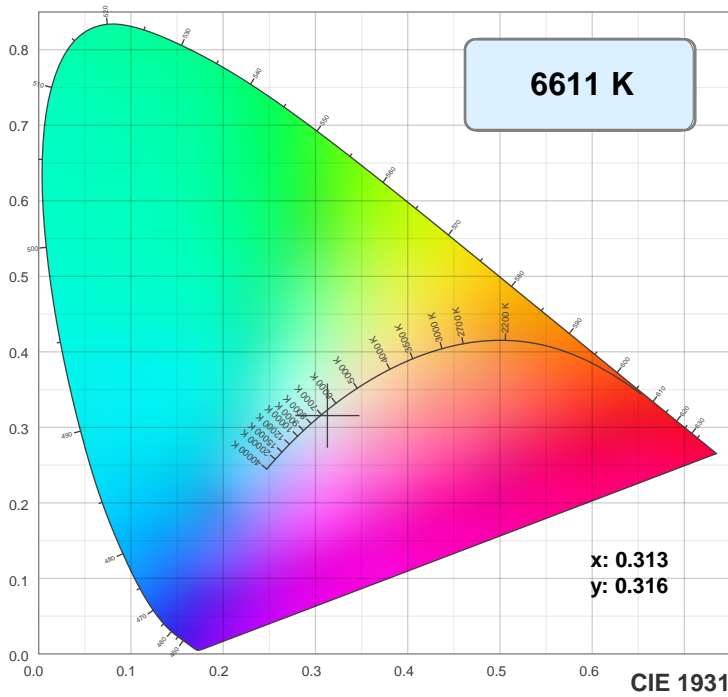
Dominant Wavelength: 360nm



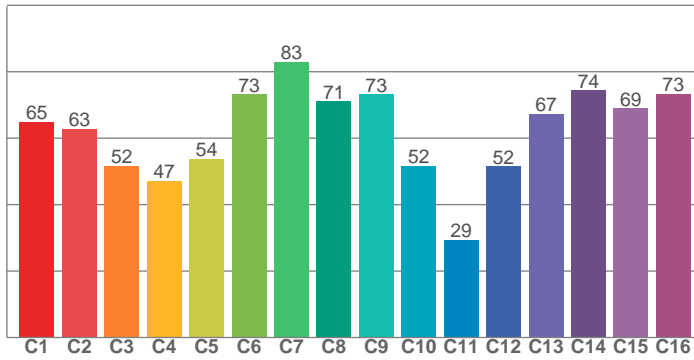
Power



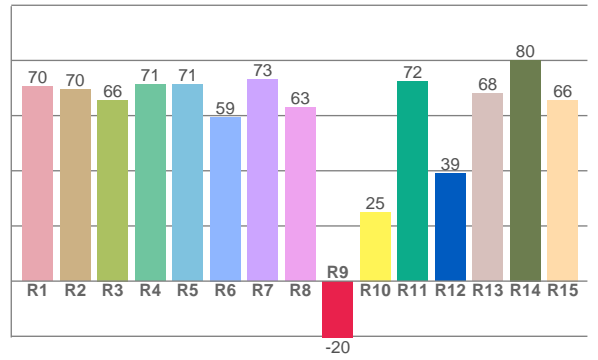
## Color Details



TM30: 61.1



CRI: 67.9 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
70.5	69.6	65.6	71.2	71.2	59.5	73.1	62.9	-20.4	25.0	72.3	39.1	68.0	80.1	65.7

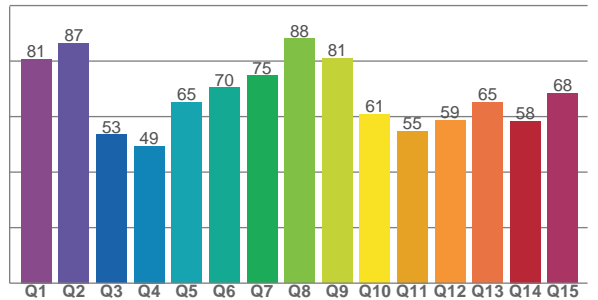
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
64.8	62.9	51.7	47.1	53.8	73.2	83.0	71.1	73.2	51.6	29.4	51.6	67.4	74.4	68.9	73.3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
80.8	86.5	53.5	49.4	65.2	70.5	74.8	88.1	81.0	60.9	54.8	58.7	65.1	58.4	68.4

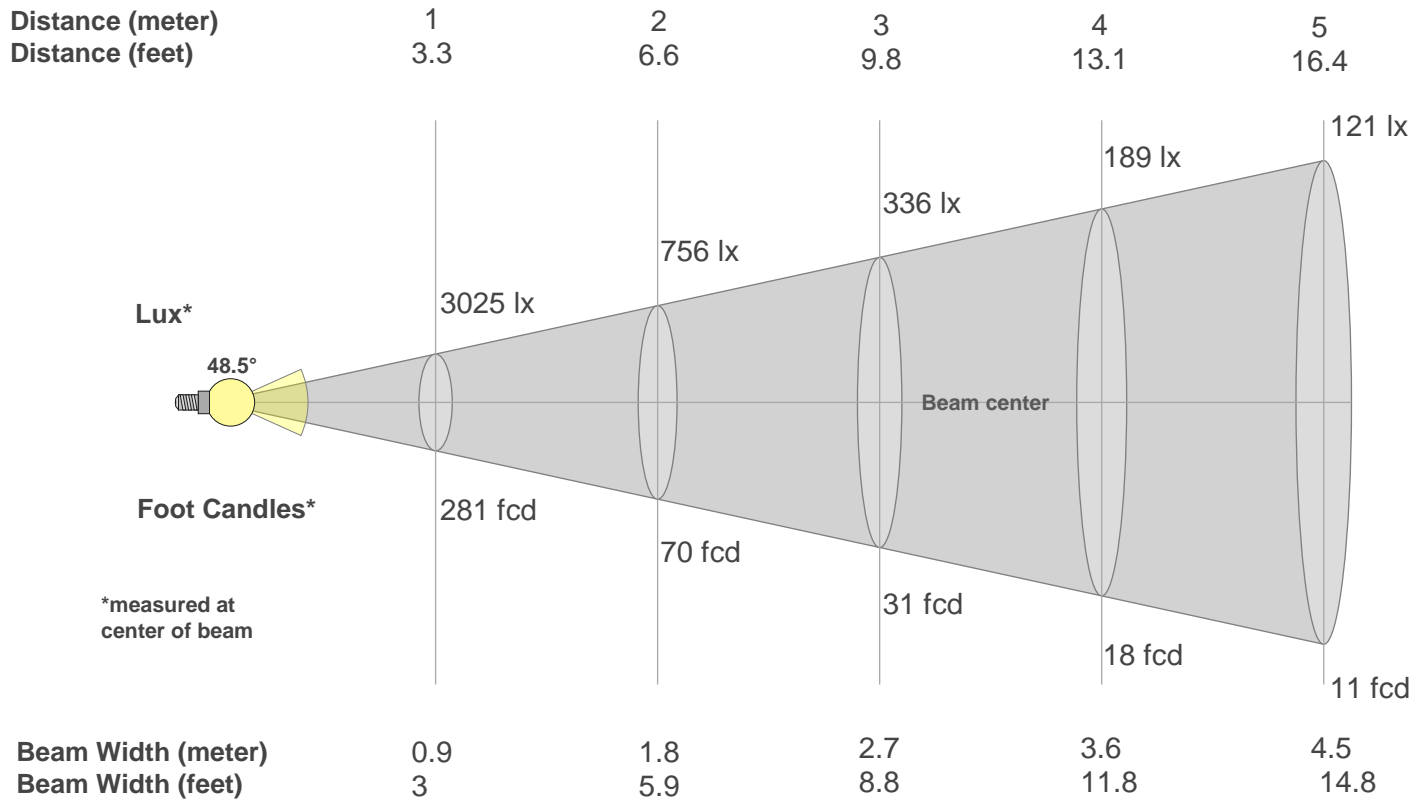
CQS: 65.6



## Color Parameters

Color Temperature	Color Rendering Index	Red Component	Color Fidelity	Color Gamut	Color Quality Scale	Color Coordinate CIE 1931	Color Coordinate CIE 1931	Color Coordinate	Color Coordinate	Color Deviation from Black Body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
6611 K	67.9	-20.4	61.1	97.2	65.6	0.313	0.316	0.203	0.307	0.0072

## Beam Details



Beam Intensities from 1-20m

m	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
ft	3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6
lx	3025	756	336	189	121	84	62	47	37	30	25	21	18	15	13	12	10	9	8	8
fcd	281.1	70.3	31.2	17.6	11.2	7.8	5.7	4.4	3.5	2.8	2.3	2	1.7	1.4	1.2	1.1	1	0.9	0.8	0.7

Intensities in 0° C-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
3025	3132	3194	3173	3044	2788	2564	2401	2236	2058	1889	1760	1623	1487	1348	1219	1126	1014	895	775
100%	104%	106%	105%	101%	92%	85%	79%	74%	68%	62%	58%	54%	49%	45%	40%	37%	34%	30%	26%

Intensities in 90° C-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
3025	3132	3194	3173	3044	2788	2564	2401	2236	2058	1889	1760	1623	1487	1348	1219	1126	1014	895	775
100%	104%	106%	105%	101%	92%	85%	79%	74%	68%	62%	58%	54%	49%	45%	40%	37%	34%	30%	26%

Intensities in 180° C-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
3025	2967	2912	2811	2698	2585	2460	2336	2185	2030	1889	1764	1626	1458	1283	1127	981	832	678	553
100%	98%	96%	93%	89%	85%	81%	77%	72%	67%	62%	58%	54%	48%	42%	37%	32%	27%	22%	18%

Intensities in 270° C-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
3025	2967	2912	2811	2698	2585	2460	2336	2185	2030	1889	1764	1626	1458	1283	1127	981	832	678	553
100%	98%	96%	93%	89%	85%	81%	77%	72%	67%	62%	58%	54%	48%	42%	37%	32%	27%	22%	18%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
48.5°	89.3°	105.1°	97.7%	91.6%